All in One Kit
Quick Start Guide

SDE-4003/5003

SAMSUNG

CONNECTING WITH OTHER DEVICES

Local PC

Broadband Modem

Broadband Router or HUB

4 3 2 1 WAN Reset Power

CH1 CH2 CH3 CH4 AUDIO IN AUDIO OUT

1 2 3 4 5 6 7 8 SPOT

9 10 11 12 13 14 15 16 VIDEO OUT

VGA OUT CONSOLE NETWORK DC 12 V
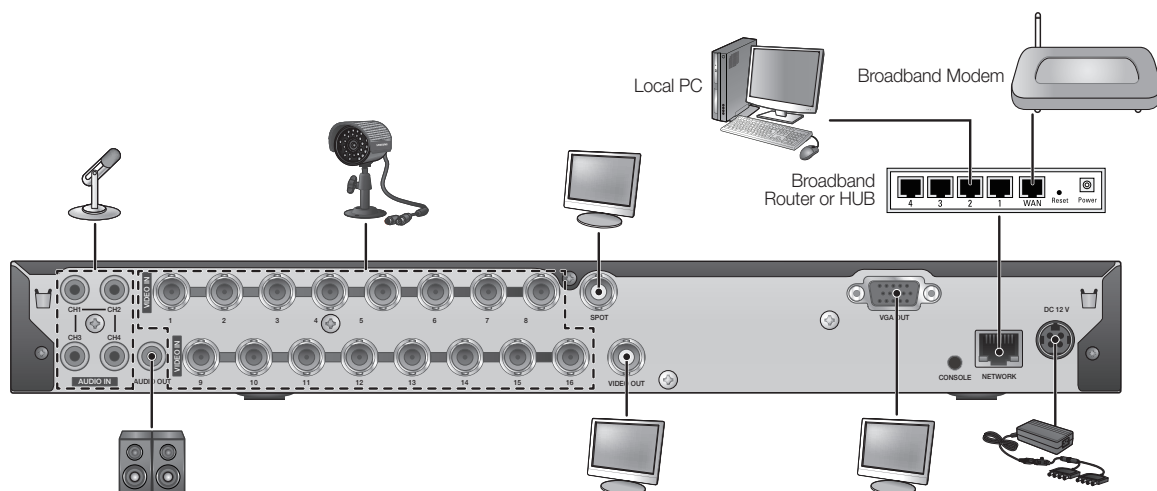
※ If you do not use the Internet, just follow the steps below:

`1` `2` `4` `5` `6` `7` `8` `10` `11` `12` `13` `14` `15` `25`

※ uPnP Port Forwarding (in case your router supports it)

`1` ～ `8` `9-2` `10` ～ `17` `19` ～ `27`

※ Port Forwarding using Free PC program

`1` ～ `8` `9-1` `10` ～ `16` `18` ～ `27`

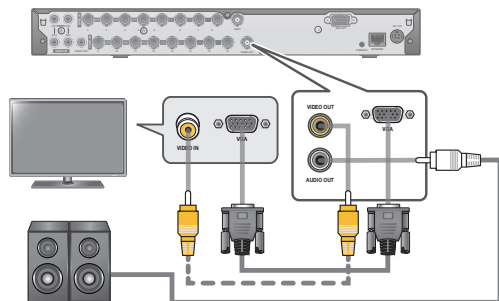※ Manual Port Forwarding (18*:Refer to Router Guide in "18")

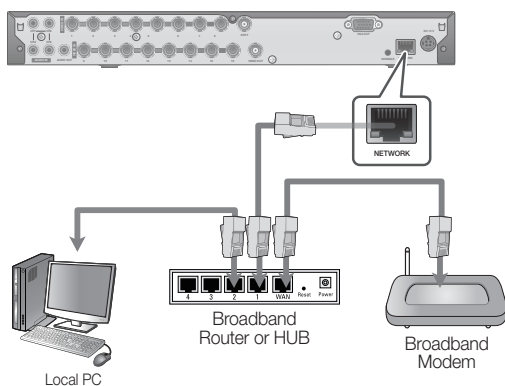`1` ～ `8` `9-1` `10` ～ `16` `18*` ～ `27`

INSTALLATION

1 Connect the camera to the Camera In port.
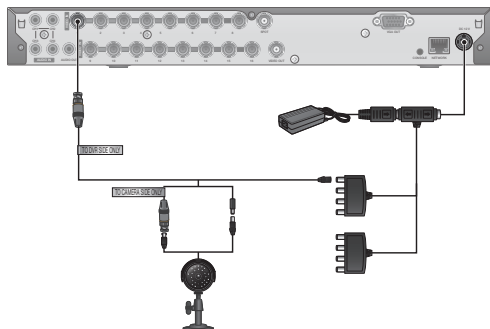
2 Connect the Video and Audio Out connectors to the monitor.
Connect mouse to the USB port.
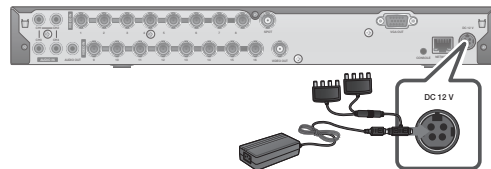For a PC monitor, use the VGA connector for the connection.

3 Connect the LAN cable.
The default connection for use of the Internet is as follows:
You can connect a USB HDD, USB memory or mouse to the USB port.

- Connect the modem to the WAN port of the router and connect each of the PC and the set to the LAN port.

4 Connect the DC adaptor.

Notification

Older VGA cables or non-standard VGA cables may not have the proper pins to auto detect the VGA monitor when connected to the DVR. This may cause the video screen to function improperly. Please use the instructions below to set the DVR monitor output to VGA mode.

✔ Symptom

Your unit may experience a problem when non-standard VGA cable or VGA monitor is connected to the DVR. Below are the symptoms you may experience with your DVR.

1. Remote control does not function as expected.
2. Cameras will be in sequence mode on the monitor continuously.
3. The system menu may seem frozen and the DVR buttons may not work.

✔ Solution

1. Connect the VGA monitor to the DVR using the VGA cable.
2. Make sure the DVR is powered ON.
3. Insert the batteries to the DVR remote control.
4. Face the remote control towards the DVR and press the buttons on the remote control in sequence below. Make sure to press the buttons quickly.
5. You should be able to see and control the DVR menu using your mouse connected to the DVR.

Press the remote control buttons in the following sequence.

1 **FREEZE**
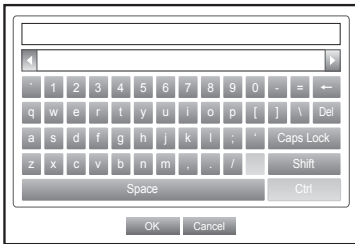2 **VIEW**
3 **RETURN**
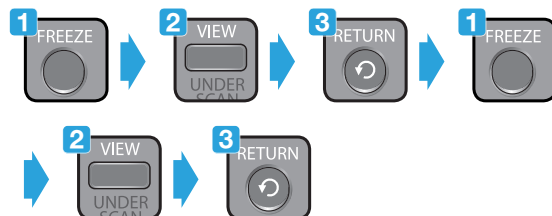
STARTING UP

5-1 In Live mode, click <**Login**> in the right-click menu.
Use the virtual keyboard to enter the password (default: 4321) in the PASSWORD input box.

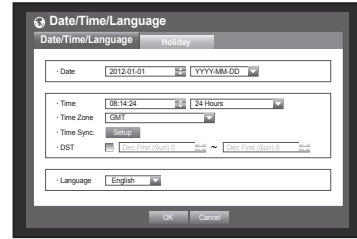

- All operations can be controlled with the mouse.

5-2 ❖ Using Virtual Keyboard

1. Use the direction buttons (▲▼◄►) to move to a desired character and press the [**ENTER**] button.

2. Use the < ← > button to erase the previous character.

3. Use the < Shift > button to toggle the letter case.

4. Complete your input and when done, click <**OK**> to close the virtual keyboard.

6 Press the [**MENU**] button on the remote control.

7 Select <**Date/Time/Language**> in <**System**> menu.

8 Use the mouse to adjust the time setting.

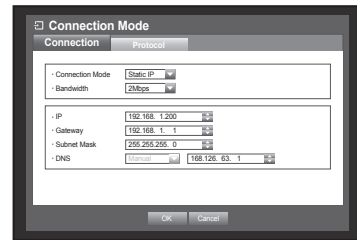- To apply your setting click the <**OK**> button.

❖ Select <Connection Mode> in <Network> menu.

9-1 **For Port Forwarding Setting**
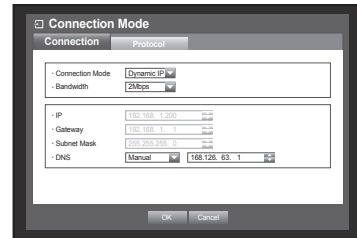Sets the Connection type to <**Static IP**> and enter the IP address. Click the <**OK**> button.

- If using DI-624 manufactured by D-link
  IP ADDRESS:192.168.1.200/
  GATEWAY: 192.168.1.1 / SUBNET MASK: 255.255.255.0 /
  1ST DNS SERVER: 168.126.63.1 / 2ND DNS SERVER: 168.126.63.2

9-2 **For uP&P Setting**
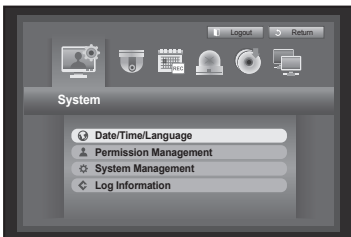Sets the Connection type to <**Dynamic IP**>. Click the <**OK**> button.

REC & PLAY

10 Press the [**MENU**] button on the remote control.
Use the left/right button (◄ ►) to select <**Record**>.
Record menu is selected.
Use the up/down buttons (▲▼) to move to <**Recording Schedule**>, and press [**ENTER**] button.

11 Set each of the Record Schedule options.
To change the setting, set the channel then select the time and date you when want to record.

Press the [**ENTER**] button while the cells are selected.
The record type will cycle through <**No Recording**>-<**Continuous**>-<**Event**>-<**Both(Cont&Evnt)**>.
The default is as shown below.
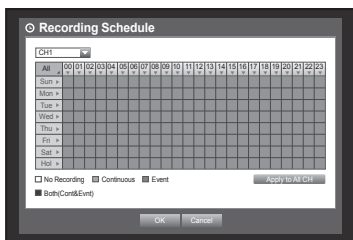
12 To change the record quality & resolution, select <**REC Quality & Resolution**>.
If you change the setting of the resolution and the remaining rate, the remaining count shows each available resolution.
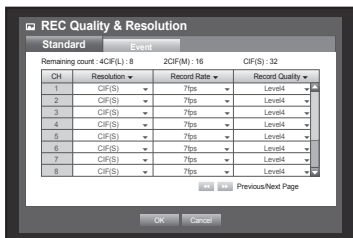
| SYSTEM	RECORD SIZE	POSSIBLE FPS
NTSC	CIF 352 × 240	OFF, 1~30
	2CIF 704 × 240	
	4CIF 704 × 480	
PAL	CIF 352 x 288	OFF, 1~25
	2CIF 704 x 288	
	4CIF 704 x 576	

13 In Live mode, click <**Search**> in the right-click menu.

14⁻¹ Select a desired date in the calendar, and a desired timeline in the Time bar, and press the <**Play**> button if you want to watch the recorded video.

■ The colored line indicates types of the recording data.
If you want to play a time specific data, enter an exact time.

14⁻² If you have set the event recording, you can play a desired scene using the <**Event Search**> function.
Set a desired date in the calendar and the result will be listed on the table.
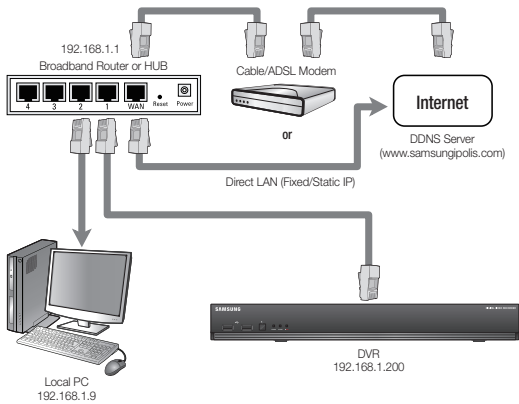Select one you desired and press the <**Play**> button.
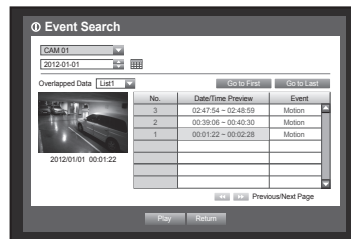
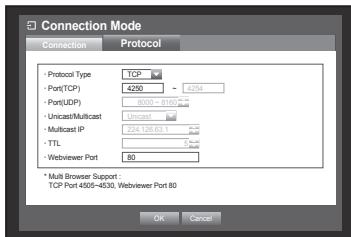**15** You can change the play speed or channel, or stop the playback using the onscreen button bar.
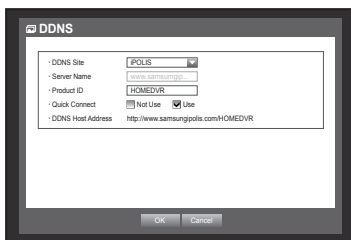
ROUTER & NETWORK SET UP

<table><tr><td>16</td></tr></table>

The following is configuration for the Internet connection. This is a typical example.

192.168.1.1
Broadband Router or HUB

Cable/ADSL Modem

Internet

DDNS Server
(www.samsungipolis.com)

or

Direct LAN (Fixed/Static IP)

DVR
192.168.1.200

Local PC
192.168.1.9

Path: <**Network**> → <**Connection Mode**> → <**Protocol**>
HTTP: 80 / Port(TCP): 4250~4254

Connection Mode

| Connection | Protocol |

- Protocol Type   TCP
- Port(TCP)   4250 ~ 4254
- Port(UDP)   8000 ~ 8160
- Unicast/Multicast   Unicast
- Multicast IP   224.126.63.1
- TTL
- Webviewer Port   80

* Multi Browser Support :
  TCP Port 4505~4530, Webviewer Port 80

OK   Cancel

<table><tr><td>17</td></tr></table>

In case your router supports uPnP Port Forwarding

DDNS

- DDNS Site   iPOLIS
- Server Name   www.samsungip...
- Product ID   HOMEDVR
- Quick Connect   ☐ Not Use ☑ Use
- DDNS Host Address   http://www.samsungipolis.com/HOMEDVR

OK   Cancel

1. Select <**iPOLiS**> for DDNS Site.
2. Type your set ID in <**Product ID**> field.
   More specific information in <**iPOLiS DDNS Setting**> in page 6.
3. Select <**Use**> in <**Quick Connect**> menu.
4. After finishing <**iPOLiS DDNS Setting**> in page 6, you can connect your DVR set with the address <**http://www.samsungipolis.com/HOMEDVR**>

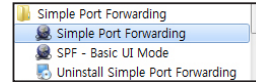❏ If you want to set port forwarding manually, refer to "**Router Guide**".

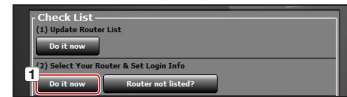<table><tr><td>18-1</td></tr></table>

In case of Port Forwarding Setting
Download the program.
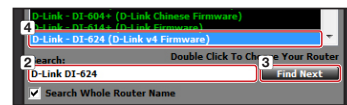Install it in your PC.
Run <**Simple Port Forwarding**>
(http://www.simpleportforwarding.com/download)

Simple Port Forwarding
Simple Port Forwarding
SPF - Basic UI Mode
Uninstall Simple Port Forwarding

<table><tr><td>18-2</td></tr></table>

Click <**(2)Do it now**> in Check List

Check List
(1) Update Router List
Do it now
2) Select Your Router & Set Login Info
1 Do it now   Router not listed?

Type your router information.

D-Link - DI-604+ (D-Link Chinese Firmware)
D-Link - DI-614+ (D-Link Firmware)
D-Link - DI-624 (D-Link v4 Firmware)

Double Click To Change Your Router
2 earch: D-Link DI-624   3 Find Next
4 ☑ Search Whole Router Name
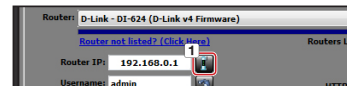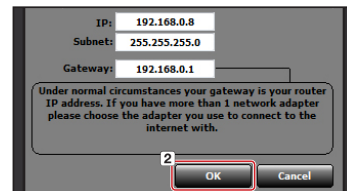
If you can't find the exact router in the list, update the router list or choose a similar router in the same manufacturer.

<table><tr><td>18-3</td></tr></table>

Click the icon for checking your router IP address.

Router: D-Link - DI-624 (D-Link v4 Firmware)
Router not listed? (Click Here)   Routers Lo
Router IP: 192.168.0.1 1
Username: admin   HTTP

Click <**OK**> for updating your router IP address.

IP: 192.168.0.8
Subnet: 255.255.255.0
Gateway: 192.168.0.1

Under normal circumstances your gateway is your router IP address. If you have more than 1 network adapter please choose the adapter you use to connect to the internet with.

2 OK   Cancel
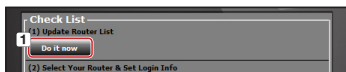
Type your router Username & Password.
If you haven't changed them, skip this procedure, for it provides default value.

Router IP: 192.168.0.1
3 Username: admin   HTTP
Password: ☐ Show Password   http:/
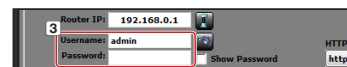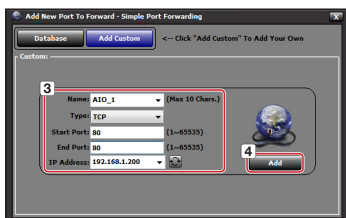
18-4 Click <**(4)Do it now**> in Check List for choosing the ports.
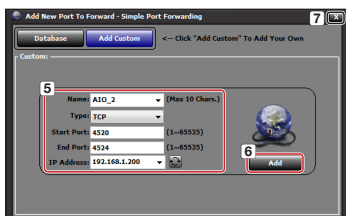

Type your DVR network setting.

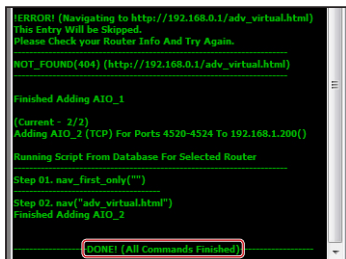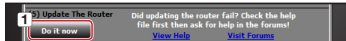IP Address : 192.168.1.200
Type : TCP
Start Port : 80
End Port : 80

IP Address : 192.168.1.200
Type : TCP
Start Port : 4520~4524
End Port : 4520~4524

18-5 After checking if the list is right, click <**(5)Do it now**> for updating your router.
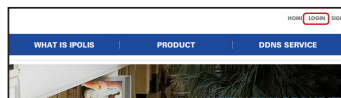

iPOLIS DDNS SETTING

19-1 Visit http://www.samsungipolis.com or http://www.samsungipolis.co.kr and click <**LOGIN**>.
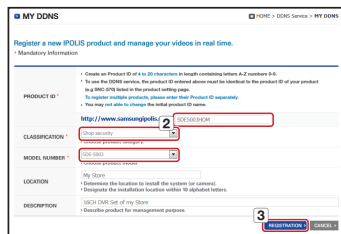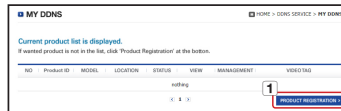

19-2 If you have ID & PASSWORD, insert them. Otherwise, click <**SIGN UP**> for a new account.
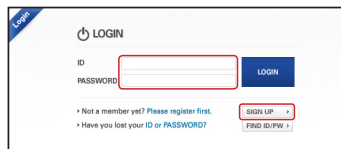
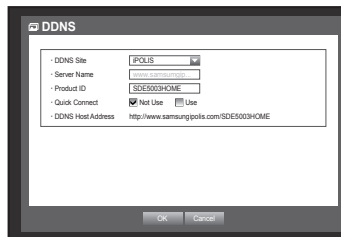
19-3 After log in, register your set with your information.

19-4 After registration, you can see the list as below.

19-5 Select <**iPOLiS**> and fill Server Name out with your registration information.

19-6 You can see <**STATUS**> changed to <**ON**> in 10 minutes, if all the network settings are right.
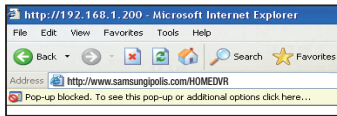
WEB BROWSING

20 In the address bar of Web Browser, enter the Set IP.
For the internal network, enter the Set Local IP and for the external network, enter the DDNS address.
* Refer to DDNS Host Address defined in DDNS Menu.
 Ex) http://www.samsungipolis.com/HOMEDVR

❖ **If you don't use "80" for HTTP port, then you must add "port No" in the DVR IP address you want to connect.**

Ex) http port: 8080
 LAN : http://192.168.1.200:8080
 (When you connect the set within Local Network or know that IP)
 WAN : http://www.samsungipolis.com/DVRHOME:8080
 (When you connect the set via External Network)
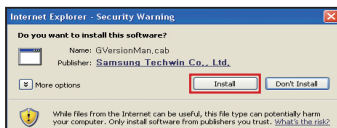
21 **Internet Explorer**
If the popup window is not activated, unblock the popup.
If you first connect to the PC, you will see a message as shown.
Install the suggested ActiveX control.

If you first connect to the PC, you will see a message as shown above. Click <**Install**> to install the suggested software.

22 ❖ **Check Point**

If you want to use SDE-Series DVR Web Viewer with Safari Browser on a Mac, please refer to this user guide and install Multi Viewer with firmware upgrade if necessary.
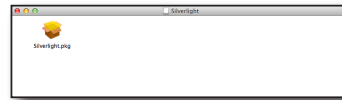
Safari on MAC.
• Brower versions available: Safari 5.1.1 or later version
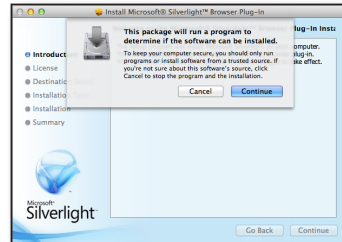• Silverlight: 4.0.60831.0 or later

Click [**Click now to Install**] to display the installation screen as shown.
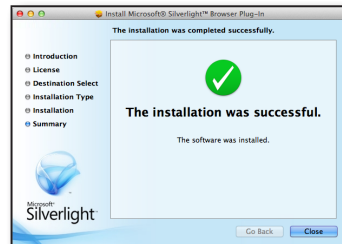

Double-click the [**Silverlight.pkg**] icon to display the Silverlight plug-in installation screen as shown.

Click [**Continue**] to start installing Silverlight plug-in. When done, you will see the screen as below.

Click [**Close**] to exit from the Silverlight plug-in installation screen.

23
1. Use a web browser to connect to the DVR.
2. If Silverlight plug-in is already installed, you will see the screen as shown.
3. If this is the case, perform Step 3 [**TCP port & Web Viewer port settings**] below.
4. If the screen above does not appear, check if the DVR set is connected properly with a valid IP address.

24 Connect to the Web Viewer and enter the user ID and password.
Default ID: admin, Password: 4321

- For more information, refer to the user manual.

- The default password can be exposed to a hacking thread so it is recommended to change the password after installing the product. Note that the security and other related issues caused by the unchanged password shall be responsible for the user.
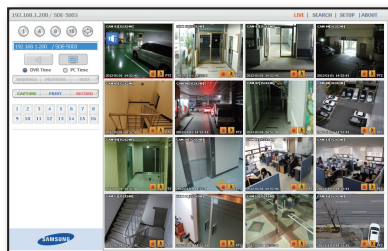
- If you want to use 2 (or more) DVR Sets, refer to the website. (http://www.samsungcctv.com)

MONITORING

25-1 Right click the screen or press the [**MODE**] on the remote control.

25-2 When the launcher menu appears, press the < 🔲 > button.
- You can add or modify the screen transition interval in "**Device** > **Monitor**" menu.

26 Select <**Date/Time/Language → Date/Time/Language → Setup**> in <**System**> menu.
If the DVR set is connected to the Internet in normal network settings, you can set the DVR's current time in sync with the selected <**Time Server**> regularly if you select to use <**Time Server**>.
If you want to use the DST functions, set it to ON.
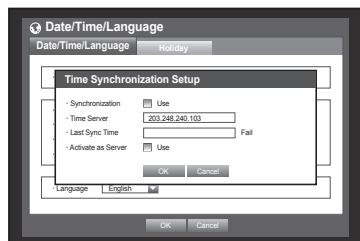
27 Using a **Smartphone**

1. Download iPOLiS mobile to your Smartphone.
   - iPhone : App Store, Android: Android Market

2. From the start screen of iPOLiS mobile, tap <**Device List**>. The Add Device screen appears.

3. Register the DVR to the iPOLiS mobile.

Name	SDE-5003 DVR
Model	(DVR) SDE 5 scries (16CH) >
Host	www.samsungipolis.com/S...	← Refer to "20" in page 7
HTTP Port	80	← Refer to "16" in page 5
RTSP Port	4254	← In case of 4250 ~4254, The last No(4254) is for mobile viewer
Camera	All cameras selected >

It is recommended to set the device's resolution to CIF.

| ID | admin |
| Password | •••• |

<The picture is taken from iPhone>

❖ Compatible Smartphone

This application is optimized for
- iPhone OS 4.3.5
- Android v2.2/2.3 (Galaxy S/S2 recommended)

📖 - For more information, refer to the user manual. (http://www.samsungcctv.com)